



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER20030062

Agency Interest No. 1406

Ms. Anne-Marie Ainsworth
Refinery Manager
Motiva Enterprises LLC, Norco Refinery
Post Office Box 10
Norco, Louisiana 70079

RE: Part 70 Operating Permit Renewal/Modification, Alkylation Unit, Norco Refinery
Motiva Enterprises LLC, Norco, St. Charles Parish, Louisiana

Dear Ms. Ainsworth:

This is to inform you that the permit renewal/modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2012, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2007.

Permit No.: 2600-VI

Sincerely,

Chuck Carr Brown Ph.D.
Assistant Secretary

SGQ
c: EPA Region VI

ENVIRONMENTAL SERVICES
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**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Alkylation Unit - Norco Refinery
Agency Interest No.: 1406
Motiva Enterprises LLC
Norco, St. Charles Parish, Louisiana**

I. Background

Motiva Enterprises (Motiva) LLC owns and operates a petroleum refinery in Norco, St. Charles Parish, Louisiana. Historically, the Shell Norco East Site was comprised of the Shell Norco Refining Company and Shell Chemical Company. In 1998, Shell Oil Company, Texaco Inc., and Saudi Aramco formed Motiva Enterprises LLC, a joint venture combining major elements of the three companies' eastern and Gulf Coast refining and marketing businesses. With the formation of Motiva, the refinery has been under the new management and the refining and chemical assets of the Shell Norco East Site are no longer wholly owned by the same parent company, Shell Oil Company. Therefore, the Shell Chemical Company and Motiva Norco Refinery are two separate and independent sites. In 2001, Texaco merged with Chevron, and its' interest in Motiva was purchased by Saudi Aramco and Shell. The Alkylation Unit is currently operated under Part 70 Operating Permit No. 2600-V0 dated April 29, 1999.

II. Origin

A permit application and Emission Inventory Questionnaire dated October 23, 2003 were submitted by Motiva Enterprises LLC requesting a Part 70 operating permit renewal/modification; updated information dated April 13, 2004; March 7, 2005; and April 30, 2007. A revised application and EIQ dated October 15, 2007. Additional information as of October 26, 2007 was also received.

III. Description

The Alkylation (Alky) Unit is a standard refinery process that uses sulfuric acid as a catalyst to react with butylene/propylene for producing a high quality gasoline blending stock. Alky Unit consists of two main sections, the reactor/refrigeration section and the fractionation section.

The reactor/refrigeration section includes two parallel trains, which have several reactors and an effluent compressor (electrically driven) assembly. Alkylation takes place in a liquid emulsion of sulfuric acid (catalyst) and feed material below ambient temperature. The compressor is part of the refrigeration system that cools the incoming feeds. Products from the reactor are routed to the fractionation section.

The Fractionation section consists of a single train which is fed by the reactor/refrigeration section. In the fractionation section, alkylate blending stock are separated, isobutene is recycled to the reactors and the reactor effluents are treated with caustic. Primary fractionation units consist of the de-propanizer and the de-isobutanizer.

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Basically, the functions of this section are to separate finished alkylate blending stocks, separate isobutene for recycle to the reactors, and treat reactor effluents by neutralizing any acid carryover with caustic.

The facility proposes to include the requirements of Louisiana Refinery MACT Determination for Refinery Equipment Leaks (Fugitive Emission Sources) dated July 26, 1994 into the permit. Update the insignificant activities list based on current operating conditions and incorporate previous minor permit actions approved under the Case by Case: a) Tank L-433 Cleaning emissions; b) Cooling Tower chlorine system replacement; c) Removal of Tank XR-411; and d) Tank F-467 turnaround emissions. Also, include the tank cleaning emissions and update the VOC speciation. The tank cleaning emissions were permitted under variances in the past.

In addition, the facility will replace the Alky Reactor Tube Bundle for Reactors Nos. 5, 6, 7, 8 and 10. The new bundles will have an increase of 35% heat transfer area. This will increase the cooling capacity and thus reduce sulfuric acid consumption and have a higher octane value alkylate product. This replacement is a modification to the facility under the requirements of 40 CFR 60.15 (reconstruction) and requires a netting analysis.

Also, the facility will repair the Alky cooling water tower. This project includes replacing the structural members, distribution basin decking, fan decks, louvers, gear reducers, support frames and casing walls, access ladders and handrails, cooling water material, and fan motors.

The reconstruction of The Alky Unit project emissions increases due to excess venting to the flare, Emission Point 9-84 (incremental increase) in Logistics II Part 70 Permit No. 2912-V0 (on public notice) in tons per year is as follows:

<u>Pollutant</u>	<u>2005/2006 Average Emissions (a)</u>	<u>Alky Unit Project Emissions(b)</u>	<u>Incremental Emissions(c)</u>	<u>Total Emissions Increase (d)</u>
PM ₁₀	0.25	*	1.27	1.27
SO ₂	0.24	*	-	-
NO _x	2.28	*	11.54	11.54
CO	12.40	*	62.80	62.80
VOC	7.19	*	23.76	23.76

* The current permitted limits for the Alky Unit will not change due to the reconstruction but there will be an increase due to venting to the existing flare. The overall total emissions increase is less than the Prevention of Significant Deterioration (PSD) significance threshold

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for all criteria pollutants. PSD review is not required. The 2005/2006 average emissions are from the West Ops Ground Flare, Emission Point 9-84.

The facility will also undertake miscellaneous maintenance activities at the facility in order to maintain safe process conditions and improve performance of the Alky Unit. The activities are as follows:

1. General safeguarding of unit equipment;
2. Clean and inspect heat exchangers are required for possible in kind replacement;
3. Modify E-907 DIB Bottoms Cooler to reduce fouling and loss of production;
4. Replace E-210 motor alkylate cooler;
5. Convert E-887 and E-896 from 4 pass to 2 pass exchangers and clean and inspect bundles;
6. Repair or replace channel head and nozzle on shell of E-897;
7. Replace the shell and channel head on E-628;
8. Replace E-911 X-1696 Oil Cooler;
9. Replace and upgrade metallurgy of E-912 X1696 Gland Seal Condenser to reduce fouling and cracking;
10. Install new feed trip systems and valves on all reactors;
11. Remove FE-2841 before E-906 to increase well water flow through the recycle isobutene cooler;
12. Upgrade the metallurgy on PV-346, 385, 386, 390' and 394B;
13. Upgrade the depropanizer system to Teflon piping;
14. Increase DIB feed nozzle height on PV-410;
15. Revise suction discharge on P-3511;
16. Install an end blind for the DIB to Utilities Column line;
17. Perform maintenance on olefins feed header piping;
18. Remove double block valve and install spool on PV-346 FAS;
19. Add valve to unplug flare line on P-1194;
20. Upgrade the fresh acid header to Teflon pipe;
21. Re-tube the top half and upgrade tubes on E-669;
22. Weld overlay on E-888A;
23. Install block valves on equipment where needed; and
24. Other maintenance activities as required

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Estimated permitted emissions from the Alky Unit in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	2.30	2.30	-
SO ₂	0.10	0.10	-
NO _x	-	-	-
CO	-	-	-
VOC *	392.90	314.90	- 78.00

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change*</u>
2,2,4-Trimethylpentane	6.30	5.50	- 0.80
Benzene	0.40	1.48	+ 1.08
Diethanolamine	0.20	0.10	- 0.10
Ethyl benzene	0.60	1.46	+ 0.86
n-Hexane	1.10	12.13	+ 11.03
Naphthalene	0.50	0.17	- 0.33
Styrene	0.20	0.26	+ 0.06
Toluene	1.60	5.40	+ 3.80
Xylene(mixed isomers)	1.10	3.26	+ 2.16
Total	12.00	29.76	+ 17.76

Non VOC Toxic Air Pollutants (TAPs)

Hydrochloric acid	5.90	0.50	- 5.40
Hydrogen sulfide	0.00	0.10	+ 0.10
Sulfuric acid	4.80	2.20	- 2.60
Total	10.70	2.80	- 7.90

Other VOC (TPY): 285.14

* Change in the TAPs is the result of adding tank cleaning emissions as permitted emissions and updating the VOC speciation to represent the current conditions.

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IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, Prevention of Significant Deterioration (PSD), New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP).

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2007; and in the <local paper>, <local town>, on <date>, 2007. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: <None>

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	National Ambient Air Quality Standard {NAAQS}
NA			

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VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates – tons per year				
		PM ₁₀	SO ₂	NO _X	CO	VOC
Sampling	134 events/month	-	-	-	-	0.10
Pump Preparation and Equipment Maintenance	1/yr					0.10
Instrumentation Maintenance	Variable					0.10

IX. Insignificant Activities

ID No.:	Description	Citation
-	N84056 Nalco 1800 Inhibitor Tank (500 gal)	LAC 33:III.501.B.5.A.10
M-445	Sodium Hypochlorite Tank (1,200 gal)	LAC 33:III.501.B.5.A.10
TK-101	Chem 35 Soap Tank (550 gal)	LAC 33:III.501.B.5.A.10
T-68	Turbo 68 Lube Oil Tank (42 gal)	LAC 33:III.501.B.5.A.2
T-32	Turbo 32 Lube Oil Tank (264 gal)	LAC 33:III.501.B.5.A.3
-	N84052 Nalco Inhibitor Tank (2,000 gal)	LAC 33:III.501.B.5.A.3
-	N42652 Nalco 7338 Tank (400 gal)	LAC 33:III.501.B.5.A.3
-	N56924 Nalco 7330 Microbiocide Tank (400 gal)	LAC 33:III.501.B.5.A.3
-	N84059 Nalco 23267 Tank (500 gal)	LAC 33:III.501.B.5.A.3
-	Cooling Water Tower Chlorine System	LAC 33:III.501.B.5.A.10

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104	2109	2111	2113	2115	2121	2141	29*	51*	53*	56	59*
UNF003	Alkylation Unit	1		1	1	1										1	1	1	1	1
ARE23	3201-95, Process Wastewater Emissions																			1
EQT92	1040-95, L-432 Fixed Roof Tank								2											1
EQT93	1103-95, L-431, Fixed Roof Tank								2											1
EQT94	1202-95, D-424, IFR Tank								1											1
EQT95	1203-95, D-425, IFR Tank								1											1
EQT96	1205-95, F-467 EFR Tank								1											1
EQT97	1206-95, F-485, EFR Tank								1											1
EQT98	2000-95, Cooling Water Tower No. 2								2											1
EQT99	3100-95, Oil Water Separator – Alkylation Unit									2										1
EQT254	K-2960, Compressor (Electric)									1										2
EQT255	L-437, Spent Acid Tank									1										1
EQT256	Utility Column																			1
EQT258	L-433, Sulfuric Acid Fixed Roof Tank										2									1
EQT320	Tank Cleaning																			1

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Table 1. Applicable Louisiana and Federal Air Quality Requirements

* The regulations indicated above are State Only regulations

- ▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the “Specific Requirements” report specifically states that the regulation is State Only.

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
 - 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
 - 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR							
		A	K	Ka	Kb	Db	Dc	GGG	QQQ	A	J	M	FF	A	CC	SS	VV	H	64	68	82	2	1	1	1		
UNF003	Alkylation Unit	1								1	1	1	1	1	1	1	1		2	1	1						
ARE23	3201-95, Process Wastewater Emissions									2																	
EQT92	1040-95, L-432 Fixed Roof Tank	2	2	2															2	2	2						
EQT93	1103-95, L-431, Fixed Roof Tank	2	2	2															2	2	2						
EQT94	1202-95, D-424, IFR Tank	2	2	2															1	1	1						
EQT95	1203-95, D-425, IFR Tank	2	2	2															1	1	1						
EQT96	1205-95, F-467 EFR Tank	2	2	2															1	1	1						
EQT97	1206-95, F-485, EFR Tank	2	2	2															1	1	1						
EQT98	2000-95, Cooling Water Tower No. 2 Alkylation Unit										2																
EQT99	3100-95, Oil Water Separator – Alkylation Unit											2							2	1	1						
EQT254	K-2960, Compressor (Electric)												1								2	2					
EQT255	L-437, Spent Acid Tank													2							2	1					
EQT256	Utility Column																				2						
EQT258	L-433, Sulfuric Acid Fixed Roof Tank																										

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

KEY TO MATRIX

- The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this

Blanks = The regulations clearly do not apply to this type of emission source particular emission source.

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
UNF003 Alkylation Unit	Compliance Assurance Monitoring 40 CFR Part 64	Does not apply	40 CFR 64.42(a)(2)	No control device to be used to comply with any standards or limits
ARE023	NSPS, Subpart QQQ – VOC Emissions from Petroleum Refinery Wastewater System	Does not apply	40 CFR 60.690(a)(1)	No modification undertaken after May 4, 1987
EQT092 and EQT093 1040-95 and 1103-95, Fixed Roof Tank	Control of Emission of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103.A	True vapor pressure of stored material less than 1.5 psia
	NSPS, 40 CFR 60, Subpart K – Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110	Tank constructed after May 19, 1978
	NSPS, 40 CFR 60, Subpart Ka - Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110a	Tank constructed after July 23, 1984
	NSPS, 40 CFR 60, Subpart Kb – VOC Storage Vessels	Does not apply	40 CFR 60.110b	Tank does not store volatile organic liquid
	NESHAP, 40 CFR 63, Subpart FF – Benzene Waste Operations	Does not apply	40 CFR 61.340	Does not service benzene or waste stream containing benzene
	NESHAP, 40 CFR 63, Subpart CC – HAPs from Petroleum Refineries	Does not apply	40 CFR 63.640(a)(2) and (c)(2)	Does not emit HAPs listed in Table 1
EQT094 and EQT095 1202-95 and 1203-95, Internal Floating Roof	NSPS, 40 CFR 60, Subpart K – Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110	Tank constructed after May 19, 1978
	NSPS, 40 CFR 60, Subpart Ka - Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110a	Tank does not store petroleum liquid
	NSPS, 40 CFR 60, Subpart Kb – VOC Storage Vessels	Does not apply	40 CFR 60.110b	Tank constructed before July 23, 1984
EQT096 and EQT097 1205-95, and 1206-95, Internal Floating Roof	NSPS, 40 CFR 60, Subpart K – Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110	Tank constructed prior to June 11, 1973

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XI. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Status	Citation	Explanation
EQT096 and EQT097 1205-95, and 1206-95, Internal Floating Roof (Continued)	NSPS, 40 CFR 60, Subpart Kb - Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110a	Tank constructed prior to May 19, 1978
	NSPS, 40 CFR 60, Subpart Kb - VOC Storage Vessels	Does not apply	40 CFR 60.110b	Tank constructed before July 23, 1984
EQT098 Cooling Water Tower No. 2	Emission Standards for Particulate Matter	Exempt	LAC 33:III.1311.F	Emits water vapor
	NSPS, Subpart QQQ - VOC Emissions from Petroleum Refinery Wastewater System	Does not apply	40 CFR 60.692-1(d)(3)	Non contact cooling water system
EQT099 3100-95, Oil Water Separator	Oil Water/separation	Exempt	LAC 33:III.2109.B.4	Emits less than 100 tons per year of any VOC uncontrolled
	NSPS, Subpart QQQ - VOC Emissions from Petroleum Refinery Wastewater System	Does not apply	40 CFR 60.690	Source not constructed, modified, or reconstructed after May 4, 1987
	NESHAP, 40 CFR 63, Subpart FF – Benzene Waste Operations	Does not apply	40 CFR 61.340	Does not service benzene or waste stream containing benzene
EQT254 K-2960, Compressor (Electric)	Comprehensive Toxic Air Pollutant Emission Control Program	Does not apply	LAC 33:III. 5105.B.3	Does not emit TAPs. Burns natural gas and refinery fuel gas
	NESHAP, Subpart CC – HAPs from Petroleum Refineries	Does not apply	40 CFR 63.640(a)(2) and (c)(a)	Does not emit HAPs listed in Table I
EQT255 L-437, Spent Acid Tank	NSPS, 40 CFR 60, Subpart K – Storage Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110	Tank constructed after May 19, 1978
	NSPS, 40 CFR 60, Subpart Ka - Vessels for Petroleum Liquids	Does not apply	40 CFR 60.110a	Tank constructed after July 23, 1984

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ID No:	Requirement	Status	Citation	Explanation
EQT255 L-437, Spent Acid Tank (Continued)	NESHAP, 40 CFR 61, Subpart FF – Benzene Waste Operations	Does not apply	40 CFR 61.340	Does not service benzene or waste stream containing benzene
EQT256 Utility Column	NESHAP, Subpart CC – HAPs from Petroleum Refineries	Does not apply	40 CFR 63.640(a)(2) and (c)(a)	Does not emit HAPs listed in Table 1
EQT258 Sulfuric Acid Tank	Control of Emission of Organic Compounds – Storage of VOC	Does not apply	LAC 33:III.2103.A	Does not store VOC
The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit				

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

40 CFR PART 70 GENERAL CONDITIONS

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
 1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an

40 CFR PART 70 GENERAL CONDITIONS

emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 - 5. changes in emissions would not qualify as a significant modification; and
 - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
 - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

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3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

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- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated October 23, 2003; updated information dated April 13, 2004; March 7, 2005; and April 30, 2007; revised application and EIQ dated October 15, 2007; along with additional information as of October 26, 2007.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
2. Report by September 30 to cover April through June
3. Report by December 31 to cover July through September
4. Report by March 31 to cover October through December

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 1406 Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030062
Permit Number: 2600-V1
Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
	2520-00002	Motiva Enterprises LLC - Norco Refinery	CDS Number	05-27-1993
	2520-0002	Motiva Enterprises LLC - Norco Refinery	Emission Inventory	03-03-2004
13-1299890	Federal Tax Id	Federal Tax ID		11-20-1999
72-0262490	Federal Tax ID #	Federal Tax ID		01-08-2001
76-0489497	Shell Norco Refining Co	Federal Tax ID		07-23-2002
76-05667102	Federal Tax Identification Number	Federal Tax ID		11-21-1999
LAD008186579	Motiva Enterprises LLC - Norco Refinery	Hazardous Waste Notification		08-18-1980
CA	GPRA Baselines	Hazardous Waste Permitting		10-01-1997
	Inactive	Inactive & Abandoned Sites		11-01-1979
	LA0003522	WPC File Number	LPDES Permit #	06-25-2003
WP0512	WPC State Permit Number	LWDPS Permit #		06-25-2003
LA-2178-L01	Radioactive Material License	Radiation License Number		10-24-2001
2176	X-Ray Registration Number	Radiation X-ray Registration Number		11-21-1999
GD-089-0359	Site ID #	Solid Waste Facility No.		08-17-2001
GPD-089-2265	Site ID #	Solid Waste Facility No.		08-17-2001
100456	Shell Norco Refining Co	TEMPO Merge		01-27-2005
17667	Shell Oil Co - Norco Manufacturing Complex Refinery	TEMPO Merge		02-21-2001
19277	Motiva Enterprises - Norco Refinery	TEMPO Merge		02-21-2001
33125	Motiva Enterprises LLC/Shell Oil Co/Norco Refinery	TEMPO Merge		04-29-2001
34615	Motiva Enterprises LLC - Norco Refining Plant	TEMPO Merge		02-21-2001
37398	Shell Oil Co Norco	TEMPO Merge		07-05-2001
38782	Motiva Norco Refining Co	TEMPO Merge		05-02-2001
45019	Shell Oil Co - Norco Manufacturing Complex	TEMPO Merge		02-21-2001
47223	Shell Oil Co - Norco Refinery - Motiva LLC Norco Refinery	TEMPO Merge		02-21-2001
71559	Norco Refinery	TEMPO Merge		02-21-2001
2520-0002	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #		01-01-1991
70079MTVNR15536	TRI #	Toxic Release Inventory		07-13-2004
02-346	Motor Fuel Delivery Certificate #	UST FID #		07-23-2002
45-0000831	Ust Facility id Number	UST FID #		09-10-1999
45-0000831	UST Facility ID (from UST legacy data)	UST FID #		10-12-2002
WP0512	WPC State Permit Number	Water Permitting		11-21-1999

Physical Location:

15536 River Rd
(a portion of)

Main FAX: 5044656360

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General Information

AI ID: 1406 Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20030062

Permit Number: 2600-V1

Air - Title V Regular Permit Renewal

Norco, LA 70079

Mailing Address:
PO Box 10
Norco, LA 700790010

Location of Front Gate: 29° 59' 43" 34 hundredths latitude, 90° 24' 36" 6 hundredths longitude, Coordinate Method: GPS Code (Psuedo Range) Differential, Coordinate Datum: NAD83

Related People:

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Oliver Boyd	PO Box 10 Norco, LA 700790010	5044656315 (WP)	Water Permit Contact For
	Oliver Boyd	PO Box 10 Norco, LA 700790010	5044656315 (WP)	Water Billing Party for
	W. Caughman		5044417558 (WP)	Employed by
	Herschel Craven	3433 Hwy 190 Ste 342 Mandeville, LA 70448	9852647477 (WP)	Accident Prevention Contact for
	William Cupp	3433 Hwy 190 Ste 342 Mandeville, LA 70448	9852647477 (WP)	Employed by
	William Cupp		9852647477 (WP)	Underground Storage Tank Contact for
	F. Foster		9852647477 (WP)	Employed by
	Fred Goodson	PO Box 10 Norco, LA 700790010	5044657609 (WP)	Employed by
	Fred Goodson	PO Box 10 Norco, LA 700790010	5044657809 (WP)	Solid Waste Billing Party for
	Robert Hastings		5044656274 (WP)	Employed by
	R. Jacoby		5044657678 (WP)	Employed by
	John King	PO Box 10 Norco, LA 70079	5044656274 (WP)	Haz. Waste Billing Party for
	R. Kuehn		5044657401 (WP)	Employed by
	William Marquis	PO Box 10 Norco, LA 700790010	5044657994 (WP)	Radiation Safety Officer for
	William Marquis	PO Box 10 Norco, LA 700790010	5044657994 (WP)	Radiation Contact For
	William Marquis	PO Box 10 Norco, LA 700790010	5044657994 (WP)	Accident Prevention Billing Party for
	Kirk Menard		5044657202 (WP)	Employed by
	Philip Snyder		5044657220 (WP)	Hazardous Waste Permit Contact For
	R. Terrebonne		5044657093 (WP)	Employed by
				Employed by
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Motiva Enterprises LLC	PO Box 10 Norco, LA 70079	Air Billing Party for	
	Motiva Enterprises LLC	PO Box 10 Norco, LA 70079	Radiation License Billing Party for	
	Motiva Enterprises LLC	PO Box 10 Norco, LA 70079	Radiation Registration Billing Party for	

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20030062

Permit Number: 2600-V1

Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Alkylation Unit						
ARE0023	3201-95 - Process Wastewater Emissions-Alkylation Unit	32500 gallons		5.04 MM gallons/yr		8760 hr/yr (All Year)
EQT0092	1040-95 - L-432 Fixed Roof Tank	380750 gallons		15.12 gallons/yr		8760 hr/yr (All Year)
EQT0093	1103-95 - L-431 Fixed Roof Tank	424500 gallons		88.17 MM lbs/yr		8760 hr/yr (All Year)
EQT0094	1202-95 - D-424 IFR Tank	424500 gallons		88.17 MM lbs/yr		8760 hr/yr (All Year)
EQT0095	1203-95 - D-425 IFR Tank	5.01 million gallons		43.01 MM gallons/yr		8760 hr/yr (All Year)
EQT0096	1205-95 - F-467 EFR Tank	5.01 million gallons		43.01 MM gallons/yr		8760 hr/yr (All Year)
EQT0097	1206-95 - F-485 EFR Tank			18000 gallons/min		8760 hr/yr (All Year)
EQT0098	2000-95 - Cooling Water Tower No. 2-Alkylation			40 gallons/min		8760 hr/yr (All Year)
EQT0099	3100-95 - Oil/Water Separator-Alkylation					8760 hr/yr (All Year)
EQT0254	K-2960 - Compressor (Electric)					8760 hr/yr (All Year)
EQT0255	L-437 - Sulfuric Acid Tank					8760 hr/yr (All Year)
EQT0256	UC - Utility Column					8760 hr/yr (All Year)
EQT0258	1300-98 - L-433 Fixed Roof Tank	64147 gallons				8760 hr/yr (All Year)
EQT0320	5059-07 - Tank Cleaning					[None Specified]
FUG0016	3000-95 - Fugitive Emissions-Alkylation Unit					8760 hr/yr (All Year)

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Alkylation Unit							
EQT0092	1040-95 - L-432 Fixed Roof Tank					23	
EQT0093	1103-95 - L-431 Fixed Roof Tank					32	
EQT0094	1202-95 - D-424 IFR Tank			42.5		40	
EQT0095	1203-95 - D-425 IFR Tank			42.5		40	
EQT0096	1205-95 - F-467 EFR Tank			140		40	
EQT0097	1206-95 - F-485 EFR Tank			140		40	
EQT0098	2000-95 - Cooling Water Tower No. 2-Alkylation	18.03	285598		105.5	57	110
EQT0099	3100-95 - Oil/Water Separator-Alkylation					3	90

Relationships:

Subject Item Groups:	Group Type	Group Description
UNFO003	Unit or Facility Wide	ALKY - Alkylation Unit

Group Membership:

INVENTORIES

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
Activity Number: PER20030062
Permit Number: 2600-V1
Air - Title V Regular Permit Renewal

Group Membership:

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multipier	Units Of Measure
0720	Petroleum Refining (Rated Capacity)	1	1,000 BBL/Day

SIC Codes:

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20030062
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 Air - Title V Regular Permit Renewal

Subject Item	PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Alkylation Unit									
ARE 0023 3201-95						6.73			29.46
EQT 0094 1202-95						0.24			1.07
EQT 0095 1203-95						0.24			1.07
EQT 0096 1205-95						2.10			9.21
EQT 0097 1206-95						11.08			48.55
EQT 0098 2000-95	0.52	0.52	2.30			6.48	6.50	28.38	
EQT 0099 3100-95						4.40	4.40	19.27	
EQT 0320 5059-07						3.79			16.59
FUG 0016 3000-95				0.02	0.10	36.80			161.30

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20030062

Permit Number: 2600-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0320 5059-07	Toluene	1.01		4.41
	Xylene (mixed isomers)	0.70		3.06
	n-Hexane	1.27		5.56
FUG 0016 3000-95	2,2,4-Trimethylpentane	0.74		3.24
	Diethanolamine	0.03		0.10
	Hydrogen sulfide	0.02		0.10
	Sulfuric acid	0.48		2.10
UNF 0003 ALKY	2,2,4-Trimethylpentane			5.50
	Benzene			1.48
	Diethanolamine			0.10
	Ethyl benzene			1.46
	Hydrochloric acid			0.50
	Hydrogen sulfide			0.10
	Naphthalene			0.17
	Styrene			0.26
	Sulfuric acid			2.20
	Toluene			5.40
	Xylene (mixed isomers)			3.26
	n-Hexane			12.13

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery

Activity Number: PER20030062

Permit Number: 2600-V1

Air - Title V Regular Permit Renewal

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
ARE 0023 3201-95	2,2,4-Trimethylpentane	0.28		1.23
EQT 0092 1040-95	Hydrochloric acid	0.11		0.50
EQT 0093 1103-95	Sulfuric acid	0.02		0.10
EQT 0094 1202-95	Benzene	0.01		0.06
	Ethyl benzene	< 0.01		< 0.01
	Toluene	0.004		0.02
	Xylene (mixed isomers)	0.003		0.01
	n-Hexane	< 0.01		< 0.01
EQT 0095 1203-95	Benzene	0.01		0.06
	Ethyl benzene	< 0.01		< 0.01
	Toluene	0.004		0.02
	Xylene (mixed isomers)	0.003		0.01
	n-Hexane	< 0.01		< 0.01
EQT 0096 1205-95	2,2,4-Trimethylpentane	0.04		0.16
	Benzene	0.02		0.09
	Ethyl benzene	0.004		0.02
	Naphthalene	< 0.01		< 0.01
	Styrene	< 0.01		< 0.01
	Toluene	0.04		0.16
	Xylene (mixed isomers)	0.01		0.03
	n-Hexane	0.24		1.05
EQT 0097 1206-95	2,2,4-Trimethylpentane	0.17		0.73
	Benzene	0.10		0.45
	Ethyl benzene	0.02		0.09
	Naphthalene	< 0.01		< 0.01
	Styrene	0.003		0.01
	Toluene	0.18		0.79
	Xylene (mixed isomers)	0.04		0.15
	n-Hexane	1.26		5.52
EQT 0098 2000-95	2,2,4-Trimethylpentane	0.03	0.03	0.14
EQT 0320 5059-07	Benzene	0.19		0.82
	Ethyl benzene	0.31		1.35
	Naphthalene	0.04		0.17
	Styrene	0.06		0.25

SPECIFIC REQUIREMENTS

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ARE0023 3201-95, Process Wastewater Emissions

1 [40 CFR 61.342(e)]

Benzene: Permittee shall comply with all the applicable requirements of the alternative requirements of paragraphs 40 CFR 61.342(c) and (d). The permittee shall manage and treat facility waste with a flow weighted annual average water content of less than 10 percent in accordance with 40 CFR 61.342(c)(1). The benzene quantity for the wastes described in 40 CFR 61.342(e)(2) shall be equal to or less than 6.6 tons per year, as determined in 40 CFR 61.342(e)(1).

2 [40 CFR 61.356(a)(4)]

Benzene: Permittee shall comply with all the applicable recordkeeping requirements as stated in 40 CFR 61.356 and all the applicable reporting requirements of 40 CFR 61.357. Subpart FF. [40 CFR 61.342(e)]

Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b).

3 [40 CFR 63.647(a)]

Subpart CC. [40 CFR 63.647(a)]

Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.654(a)]

4 [40 CFR 63.654(a)]

Compliance with all the applicable requirements of NESHAP, 40 CFR 61, Subpart FF is considered compliance with all the applicable requirements of LAC 33:III, Chapter 51.

EQT0092 1040-95, L-432 Fixed Roof Tank

6 [LAC 33:III, Chapter 51]

Storage tank emits Class III toxic air pollutant, therefore no MACT is required. Shall comply with all other applicable requirements of LAC 33:III, Chapter 51.

EQT0093 1103-95, L-431 Fixed Roof Tank

7 [LAC 33:III, Chapter 51]

Storage tank emits Class III toxic air pollutant, therefore no MACT is required. Shall comply with all other applicable requirements of LAC 33:III, Chapter 51.

EQT0094 1202-95, D-424 IFR Tank

8 [40 CFR 61.351(a)(1)]

Install and operate a fixed roof and internal floating roof meeting the requirements in 40 CFR 60.112b(a)(1). Subpart FF. [40 CFR 61.351(a)(1)]

Comply with the reporting requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.357(f)]

Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]

Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]

Notify DEQ of the refilling of each Group I storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
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 Air - Title V Regular Permit Renewal

EQT0094 1202-95, D-424 IFR Tank

- 15 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 16 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 17 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 18 [LAC 33:III.2103.C.1.a] Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.
- 19 [LAC 33:III.2103.C.1.b] Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.
- 20 [LAC 33:III.2103.C.1.c] Equip internal floating roof with two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.
- 21 [LAC 33:III.2103.C.2] Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover.
- 22 [LAC 33:III.2103.C] Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal, to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.
- 23 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
- 24 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 25 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 26 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51.

EQT0095 1203-95, D-425 IFR Tank

- 27 [40 CFR 61.351(a)(1)] Install and operate a fixed roof and internal floating roof meeting the requirements in 40 CFR 60.112b(a)(1). Subpart FF. [40 CFR 61.351(a)(1)]
- 28 [40 CFR 61.357(f)] Comply with the reporting requirements in 40 CFR 60.115b. Subpart FF. [40 CFR 61.357(f)]
- 29 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- 30 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- 31 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]

SPECIFIC REQUIREMENTS

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EQT0095 1203-95, D-425 IFR Tank

- 32 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 33 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 34 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 35 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 36 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 37 [LAC 33:III.2103.C.1.a] Equip internal floating roof with a liquid mounted seal consisting of a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.
- 38 [LAC 33:III.2103.C.1.b] Equip internal floating roof with a mechanical shoe seal (metallic-type shoe seal) consisting of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.
- 39 [LAC 33:III.2103.C.1.c] Equip internal floating roof with two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.
- 40 [LAC 33:III.2103.C.2] Provide each opening in the internal floating roof (except rim space vents and automatic bleeder vents) with a projection below the liquid surface. In addition, provide each opening (except for leg sleeves, bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains) with a cover equipped with a gasket. Equip automatic bleeder vents and rim space vents with gaskets and equip ladder wells with a sliding cover.
- 41 [LAC 33:III.2103.C] Equip with an internal floating roof consisting of a pontoon type roof, double deck roof, or internal floating cover which will rest or float on the surface of the liquid contents and is equipped with a closure seal to close the space between the roof edge and tank wall. All tank gauging and sampling devices will be gas-tight except when gauging or sampling is taking place.
- 42 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1.
- 43 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
- 44 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 45 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51.

EQT0096 1205-95, F-467 EFR Tank

- 46 [40 CFR 63.646(a)] Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
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EQT0096 1205-95, F-467 EFR Tank

- 47 [40 CFR 63.646(f)(1)] If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC.
 [40 CFR 63.646(f)(1)]
- 48 [40 CFR 63.646(f)(2)] Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- 49 [40 CFR 63.646(f)(3)] Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- 50 [40 CFR 63.654(h)(2)(i)] Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C). Subpart CC. [40 CFR 63.654(h)(2)(i)]
- 51 [40 CFR 63.654(h)(2)(ii)] Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63. Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- 52 [40 CFR 63.654(i)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- 53 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
- 54 [LAC 33:III.2103.D.2.a] Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.
- 55 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 56 [LAC 33:III.2103.D.2.c] Seal gap area <= 1 in²/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 57 [LAC 33:III.2103.D.2.d] Which Month: All Year Statistical Basis: None specified
 Seal gap area <= 10 in²/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 58 [LAC 33:III.2103.D.2.e] Which Month: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 59 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 60 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
- 61 [LAC 33:III.2103.D.2.e] Which Month: All Year Statistical Basis: None specified
 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 62 [LAC 33:III.2103.D.2.e] Which Month: All Year Statistical Basis: None specified
 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- 63 [LAC 33:III.2103.D.3] Which Month: All Year Statistical Basis: None specified
 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.

SPECIFIC REQUIREMENTS

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EQT0096 1205-95, F-467 EFR Tank

- Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2|103.C.1.a and b.
- Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- Determine compliance with LAC 33:III.2|103.D.2 using the methods in LAC 33:III.2|103.H.1.
- Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2|103.H.3-a-e.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2|103.I.1 - 7, as applicable.
- Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III. Chapter S1.
- EQT0097 1206-95, F-485 EFR Tank**
- Comply with the requirements of 40 CFR 63.119 through 63.121, except as provided in 40 CFR 63.646(b) through (l). Subpart CC. [40 CFR 63.646(a)]
- If a cover or lid is installed on an opening on a floating roof, keep the cover or lid closed except when it must be open for access. Subpart CC. [40 CFR 63.646(f)(1)]
- Set rim space vents to open only when the floating roof is not floating or when the pressure beneath the rim seal exceeds the manufacturer's recommended setting. Subpart CC. [40 CFR 63.646(f)(2)]
- Keep automatic bleeder vents closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports. Subpart CC. [40 CFR 63.646(f)(3)]
- Notify DEQ of the refilling of each Group 1 storage vessel that has been emptied and degassed, in order to afford DEQ the opportunity to have an observer present. Submit notification in writing according to the schedules specified in 40 CFR 63.654(h)(2)(i)(A) through (h)(2)(i)(C).
- Subpart CC. [40 CFR 63.654(h)(2)(i)]
- Notify DEQ in writing of any seal gap measurements at least 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) of 40 CFR 63 Subpart G. Subpart CC. [40 CFR 63.654(h)(2)(ii)]
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep the records specified in 40 CFR 63.123 of 40 CFR 63 Subpart G, except as specified in 40 CFR 63.654(i)(1)(i) through (i)(1)(iv). Subpart CC. [40 CFR 63.654(i)(1)]
- Equip with a submerged fill pipe.
- Seal closure devices required in LAC 33:III.2|103.D shall have no visible holes, tears, or other openings in the seals or seal fabric.

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EQT0097 1206-95, F-485 EFR Tank

- 80 [LAC 33:III.2103.D.2.b] Seal closure devices required in LAC 33:III.2103.D shall be intact and uniformly in place around the circumference of the floating roof and the tank wall.
- 81 [LAC 33:III.2103.D.2.c] Seal gap area <= 1 in²/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 82 [LAC 33:III.2103.D.2.d] Which Months: All Year Statistical Basis: None specified
 Seal gap area <= 10 in²/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width.
- 83 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2.
- 84 [LAC 33:III.2103.D.2.e] Initiate repairs of seals within seven working days of recognition of defective conditions by ordering appropriate parts, to avoid noncompliance with LAC 33:III.2103. Complete repairs within three months of the ordering of the repair parts.
- 85 [LAC 33:III.2103.D.2.e] Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs.
- 86 [LAC 33:III.2103.D.2.e] Which Months: All Year Statistical Basis: None specified
 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually.
- 87 [LAC 33:III.2103.D.2.e] Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs.
- 88 [LAC 33:III.2103.D.3] Which Months: All Year Statistical Basis: None specified
 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets.
- 89 [LAC 33:III.2103.D.3] Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening.
- 90 [LAC 33:III.2103.D] Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1 and b.
- 91 [LAC 33:III.2103.D] Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall.
- 92 [LAC 33:III.2103.H.1] Determine compliance with LAC 33:III.2103.D.2 using the methods in LAC 33:III.2103.H.1.
- 93 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a-e.
- 94 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 95 [LAC 33:III.5109.A] Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliant with all the applicable requirements of LAC 33:III.Chapter 51.

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20030062
 Permit Number: 2600-V1
 Air - Title V Regular Permit Renewal

EQT0098 2000-95, Cooling Water Tower No. 2-Alkylation

96 [LAC 33:III.5109.A] Shall comply with all the applicable requirements of LAC 33:III.Chapter 51. No controls required under MACT.

EQT0099 3100-95, Oil Water Separator-Alkylation

- 97 [40 CFR 63.647(a)] Comply with the requirements of 40 CFR 61.340 through 61.355 of 40 CFR part 61, subpart FF, except as provided in 40 CFR 63.647(b). Subpart CC. [40 CFR 63.647(a)]
 Comply with the recordkeeping and reporting provisions in 40 CFR 61.356 and 61.357 of 40 CFR 61 Subpart FF, unless complying with the wastewater provisions specified in 40 CFR 63.640(o)(2)(ii). Subpart CC. [40 CFR 63.654(a)]
 Compliance with all the applicable requirements of NESHAP, 40 CFR 63, Subpart CC is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51.

EQT0254 K-2960, Compressor (Electric)

- 100 [40 CFR 60.592(a)] Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup Subpart GGG. [40 CFR 60.592(a)]
 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
 101 [40 CFR 60.592(d)] Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

EQT0255 L-437, Sulfuric Acid Tank

- 104 [40 CFR 60.112b(a)(3)(ii)] Emissions are routed to the West Ops Elevated Flare, Emission Point 5-84 and the West Ops Ground Flare , Emission Point 9-84, for control. These emission points are permitted under Part 70 Permit No. 2912-V0 or current permit. [40 CFR 60.112b(a)(3)(ii), LAC 33:III.2103.E.1]
 VOC, Total \geq 95 % reduction efficiency using a closed vent system and control device. Subpart Kb. [40 CFR 60.112b(a)(3)(ii)]
 Which Months: All Year Statistical Basis: None specified
 Equip with a closed vent system and control device as specified in 40 CFR 60.112b(a)(3). Subpart Kb. [40 CFR 60.112b(b)(1)]
 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Keep copies of all records for the life of the source as specified by 40 CFR 60.116b(a). Subpart Kb. [40 CFR 60.116b(b)]
 VOL storage data recordkeeping by electronic or hard copy at the approved frequency. Records consist of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Keep copies of all records for at least two years. Subpart Kb. [40 CFR 60.116b(c)]
 Submit notification: Due within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Subpart Kb. [40 CFR 60.116b(d)]
 Overlap of NESHAP, 40 CFR 63, Subpart CC: Group 1 or Group 2 vessels that is part of an existing source and is also subject to the requirements of NSPS, 40 CFR 60, Subpart Kb shall comply with NSPS, Subpart Kb requirements, except as provided in 40 CFR 63.640(n)(8), and with all the applicable requirements of 40 CFR 63.642 and 40 CFR 63.654. [40 CFR 63.640(n)(1)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
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EQT0255 L-437, Sulfuric Acid Tank

- 111 [LAC 33:III.2103.B] Equip with a submerged fill pipe.
 VOC, Total \geq 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
 Which Months: All Year Statistical Basis: None specified
- 112 [LAC 33:III.2103.E.1] VOC, Total \geq 90 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year.
 Which Months: All Year Statistical Basis: None specified
- 113 [LAC 33:III.2103.E.2] Equip with a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.
- 114 [LAC 33:III.2103.E] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
- 115 [LAC 33:III.2103.H.3] Compliance with all the applicable requirements of NSPS, 40 CFR 60, Subpart Kb is considered compliance with all the applicable requirements of LAC 33:III.Chapter 51.
- 116 [LAC 33:III.2103.I]
- 117 [LAC 33:III.5109.A]

EQT0256 Utility Column

- 118 [LAC 33:III.2115.B] Emissions are routed to the West Ops Elevated Flare, Emission Point 5-84, permitted under Part 70 Permit No. 3047-V0 or current permit (Shell Chemical LP); and to the West Ops Ground Flare, Emission Point 9-84, permitted under Part 70 Permit No. 2912-V0 or current permit, for control.
 Utility Column emits Class II toxic air pollutant, therefore no MACT is required. Shall comply with all other applicable requirements of LAC 33:III.Chapter 51.
- 119 [LAC 33:III.Chapter 51]

EQT0258 1300-98, L-433 Fixed Roof Tank

- 120 [LAC 33:III.501.C.6] Negligible emissions (H₂SO₄ and HCl).
 Storage tank emits Class III toxic air pollutant, therefore no MACT is required. Shall comply with all other applicable requirements of LAC 33:III.Chapter 51.
- 121 [LAC 33:III.Chapter 51]

EQT0320 5059-07, Tank Cleaning

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20030062
 Permit Number: 2600-V1
 Air - Title V Regular Permit Renewal

EQT0320 5059-07, Tank Cleaning

Permittee shall comply with the tank cleaning emission limits of this permit by maintaining the total calculated VOC emissions, Emission Point 5059-07, based on the number of tanks cleaned per year to no more than 16.59 tons per year. The overall VOC emissions shall be calculated based on the number of tanks cleaned each month, as well as the VOC emissions calculated for all the tanks cleaned for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total overall calculated VOC emissions based on the number of tanks cleaned above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the overall calculated VOC emissions based on the number of tanks cleaned shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year.

EQT0322 E-643, Final Condenser Vent

Emissions are routed to a control device, West Ops Ground Flare, Emission Point 9-84 and the West Ops Elevated Flare, Emission Point 5-94, as an alternative control device. These flares comply with all the applicable requirements of NSPS, 40 CFR 60.18 and 40 CFR 64 and are permitted under 2912-V0 and 3047-V1 or current permit. [LAC 33:III.501.C.6, LAC 33:III.2115.A]

EQT0323 E-643, Final Condenser Vent

Emissions are routed to a control device, West Ops Ground Flare, Emission Point 9-84 and the West Ops Elevated Flare, Emission Point 5-94, as an alternative control device. These flares comply with all the applicable requirements of NSPS, 40 CFR 60.18 and 40 CFR 64 and are permitted under 2912-V0 and 3047-V1 or current permit. [LAC 33:III.501.C.6, LAC 33:III.2115.A]

FUG0016 3000-95, Fugitive Emissions-Alkylation Unit

Comply with the requirements of 40 CFR 60.482-1 to 482-10 as soon as practicable, but no later than 180 days after initial startup. Subpart GGG. [40 CFR 60.592(a)]
 Comply with the provisions of 40 CFR 60.485 except as provided in 40 CFR 60.593. Subpart GGG. [40 CFR 60.592(d)]
 Comply with the provisions of 40 CFR 60.486 and 60.487. Subpart GGG. [40 CFR 60.592(e)]
 Comply with 40 CFR 63 Subpart H, except as provided in 40 CFR 63.648(c) through (i). Subpart CC. [40 CFR 63.648(a)]
 Comply with the provisions of 40 CFR 60 Subpart VV and 40 CFR 63.648(b) except as provided in 40 CFR 63.648(a)(1), (a)(2), and (c) through (i). Subpart CC. [40 CFR 63.648(a)]
 Comply with the requirements of 40 CFR 63.161 through 63.169, 63.171, 63.172, 63.175, 63.176, 63.177, 63.179, and 63.180 except as specified in 40 CFR 63.648(c)(1) through (c)(10) and (e) through (i). Subpart CC. [40 CFR 63.648(c)]
 Maintain all records for a minimum of 5 years. Subpart CC. [40 CFR 63.648(h)]
 Comply with the recordkeeping and reporting provisions in 40 CFR 63.654(d)(1) through (d)(6). Subpart CC. [40 CFR 63.654(d)]
 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.
 Repair according to LAC 33:III.2121.B.3 any regulated component observed leaking by sight, sound, or smell, regardless of the leak's concentration.

SPECIFIC REQUIREMENTS

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Permit Number: 2600-V1
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FUG0016 3000-95, Fugitive Emissions-Alkylation Unit

- 135 [LAC 33:III.2121.B.2] Do not locate any valve, except safety pressure relief valves, valves on sample lines, valves on drain lines and valves that can be removed and replaced without a shutdown, at the end of a pipe or line containing VOC unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device.
- 136 [LAC 33:III.2121.B.3] Make every reasonable effort to repair a leaking component, as described in LAC 33:III.2121.B, within 15 days, except as provided.
- 137 [LAC 33:III.2121.C.1.a.j] Pump seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
- 138 [LAC 33:III.2121.C.1.a.ii] Which Months: All Year Statistical Basis: None specified
 Valves in liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
- 139 [LAC 33:III.2121.C.1.a.iii] Which Months: All Year Statistical Basis: None specified
 Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
- 140 [LAC 33:III.2121.C.1.b.i] Which Months: All Year Statistical Basis: None specified
 Compressor seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
- 141 [LAC 33:III.2121.C.1.b.ii] Which Months: All Year Statistical Basis: None specified
 Valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.2121.D (skip period provisions).
- 142 [LAC 33:III.2121.C.1.b.iii] Which Months: All Year Statistical Basis: None specified
 Pressure relief valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
- 143 [LAC 33:III.2121.C.1.c] Which Months: All Year Statistical Basis: None specified
 Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times per year).
- 144 [LAC 33:III.2121.C.3.a] Which Months: All Year Statistical Basis: None specified
 Pressure relief valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 24 hours after venting to the atmosphere. If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2121.B.3.
- 145 [LAC 33:III.2121.C.3.b] Which Months: All Year Statistical Basis: None specified
 All components: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of a leak detected by sight, smell, or sound, unless electing to implement actions as specified in LAC 33:III.2121.B.3.
- 146 [LAC 33:III.2121.C.4.c] Which Months: All Year Statistical Basis: None specified
 Inaccessible valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (at a minimum).
- 147 [LAC 33:III.2121.C.4.c] Which Months: All Year Statistical Basis: None specified
 Unsafe-to-monitor valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of conditions allowing these valves to be monitored safely.

SPECIFIC REQUIREMENTS

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Air - Title V Regular Permit Renewal

FUG0016 3000-95: Fugitive Emissions-Alkylation Unit

- When a leak that cannot be repaired on-line and in-place is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Date and remove the tag after the leak is repaired.
- Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.2121.E.2. Retain the survey log for two years after the latter date specified in LAC 33:III.2121.E.2 and make said log available to DEQ upon request.
- Submit report: Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment, Air Quality Assessment Division. Include the information specified in LAC 33:III.2121.F.1 through 4 for each calendar quarter during the reporting period.
- Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Comply with the test methods and procedures in Subsections P.1, P.2, and P.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (inaccessible or glass or glass-lined). Repair leaks as soon as practicable, but no later than 15 calendar days after detecting a leak by visual, audible, olfactory or other means as specified in Subsection O.11.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the monitoring requirements of Subsection O.2 through O.6, except that Subsection O.2.c does not apply, and the recordkeeping and reporting requirements.
- Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (percent of leaking connectors \leq 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994), except that the leak definition is 500 ppm and Subsection O.2.c does not apply. Monitoring must be performed in the same calendar quarter as the previous monitoring. Monitor using the method specified in Section P, except that P.3 and P.5 do not apply. If an instrument reading \geq 500 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
- Which Months: All Year Statistical Basis: None specified
- Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (percent of leaking connectors $>$ 2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994), except that Subsection O.2.c does not apply. If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within three months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P, except that Subsection P.3 and P.5 do not apply. If an instrument reading \geq 500 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AID: 1406 - Motiva Enterprises LLC - Norco Refinery
 Activity Number: PER20030062
 Permit Number: 2600-V1
 Air - Title V Regular Permit Renewal

FUG0016 3000-95, Fugitive Emissions-Alkylation Unit

- 156 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6. Except for Subsection O.2.c, as specified in Subsection O.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O.1.
- 157 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method in Section P, except for Subsection P.3 and P.5 which do not apply. Comply with this requirement instead of the requirements in Subsection O.1.
- 158 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P, except that Subsection P.3 and P.5 do not apply. The weld can also be tested by using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Comply with this requirement instead of the requirements in Subsection O.
- 159 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 160 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).
- 161 [LAC 33:III.5109.A] Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 (as applicable) of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994), except that the leak definition is 500 ppm and Subsection O.2.c does not apply. Monitor using the method specified in Section P, except that Subsection P.3 and P.5 do not apply. If an instrument reading \geq 500 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M.
- 162 [LAC 33:III.5109.A] Which Months: All Year Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, except for Subsection Q.5, Q.8 and Q.11, as specified in Section Q of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). The leak definition is 500 ppm and the requirements of Subsection Q.12 will coincide with that done for valves and other components associated with connectors.
- 163 [LAC 33:III.5109.A] Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

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FUG0016 3000-95, Fugitive Emissions-Alkylation Unit

Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible without a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994).

Submit report: Include the information as required in Paragraphs R.2.b.xvi through R.2.b.xxvii, as specified in Subsection R.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). The reporting schedule will be that which has been established by existing LDAR programs. Subsections R.1, R.3 and R.4 do not apply.

The number of each type of components required to be monitored for each monitoring period under applicable leak detection and repair programs shall be reported to the LDEQ by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided: A) Changes in components involve routine maintenance or are undertaken to address safety concerns or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves; B) The changes do not involve any associated increase in the production rate or capacity, or tie in of new or modified process equipment other than the piping components; C) Actual emissions following the changes will not exceed the emission limits contained in this permit; and D) The components are promptly incorporated into any applicable leak detection and repair program.

UNF0003 Alkylation Unit

164 [LAC 33:II.5109.A]

165 [LAC 33:II.5109.A]

166 [LAC 33:III.5109.A]

All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.

Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]

Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.

Benzene: As and alternative to the requirements specified in 40 CFR 61.342(c) and (d) the permittee shall manage and treat facility waste with a flow-weighted annual average water content of less than 10 percent as per 40 CFR 61.342(c)(1). [40 CFR 61.342(e)(1)] Benzene: As an alternative to the requirements specified in 40 CFR 61.342(c) and (d) the permittee shall manage and treat facility waste (including remediation and process unit turnaround waste) with a flow-weighted annual average water content of 10 percent or greater , on a volume basis as total water, and each waste stream that is mixed with water or wastes at any time such that the resulting mixture has an annual water content greater than 10 percent on the basis of wastes benzene quantity must be equal to or less than 6.6 ton/yr, determined as per 40 CFR 61.355(k). [40 CFR 61.342(e)(2)]

Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(k), as applicable. Subpart FF. [40 CFR 61.355(k)] Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(b)(4). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356(b)(4)]

SPECIFIC REQUIREMENTS

AI ID: 1406 - Motiva Enterprises LLC - Norco Refinery
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Air - Title V Regular Permit Renewal

UNF0003 Alkylation Unit

- 174 [40 CFR 61.357(d)(2)]
Submit report: Due annually, beginning on the date that equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect, along with the requirements of 40 CFR 61.357(d)(5). Subpart FF. [40 CFR 61.357(d)(2)]
- 175 [40 CFR 61.357(d)(8)]
Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 176 [40 CFR 61.]
All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
- 177 [40 CFR 63.642(d)(2)]
Submit Notification of the intention to conduct a performance test: Due at least 30 days before the performance test is scheduled. Subpart CC.
- 178 [40 CFR 63.642(e)]
Keep copies of all applicable reports and records required by 40 CFR 63 Subpart CC for at least 5 years except as otherwise specified in 40 CFR 63 Subpart CC. Maintain all applicable records in such a manner that they can be readily accessed within 24 hours. Subpart CC. [40 CFR 63.642(e)]
- 179 [40 CFR 63.642(g)]
Control emissions of organic HAPs to the level represented by the equation in 40 CFR 63.642(g). Subpart CC. [40 CFR 63.642(g)]
- 180 [40 CFR 63.654(g)]
Submit Periodic Report: Due no later than 60 days after the end of each 6-month period when any of the compliance exceptions specified in 40 CFR 63.654(g)(1) through (g)(6) occur. Include the information specified in 40 CFR 63.654(g)(1) through (g)(8). Subpart CC. [40 CFR 63.654(g)]
- 181 [40 CFR 63.654(h)(1)]
Submit reports of startup, shutdown, and malfunction required by 40 CFR 63.10(d)(5). Subpart CC. [40 CFR 63.654(h)(1)]
- 182 [40 CFR 63.654(h)(6)]
Submit the information specified in 40 CFR 63.654(h)(6)(i) through (iii), as applicable. Subpart CC. [40 CFR 63.654(h)(6)]
- 183 [40 CFR 63.654(i)(2)]
Retain a record of all reported performance test results required under 40 CFR 63.654(f) and (g)(7) as well as a complete test report, as described in 40 CFR 63.654(f)(2)(ii) for each emission point tested. Subpart CC. [40 CFR 63.654(i)(2)]
- 184 [40 CFR 63.654(i)(4)]
Retain all information required to be reported under 40 CFR 63.654(a) through (h) for five years. Subpart CC. [40 CFR 63.654(i)(4)]
- 185 [40 CFR 63.]
All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
- 186 [40 CFR 70.5(a)(1)(iii)]
Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 187 [40 CFR 70.6(a)(3)(iii)(A)]
Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 188 [40 CFR 70.6(a)(3)(iii)(B)]
Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]

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189	[40 CFR 70.6(c)(5)(iv)]	Submit Title V compliance certification. Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
190	[40 CFR 82 Subpart F]	Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
191	[LAC 33:III.103]	Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
192	[LAC 33:III.1109.B]	Outdoor burning of waste material or other combustible material is prohibited.
193	[LAC 33:III.1303.B]	Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
194	[LAC 33:III.1305]	Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
195	[LAC 33:III.2113.A]	Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
196	[LAC 33:III.214]	Emissions of volatile organic compounds from petroleum refinery process unit turnarounds shall be controlled by pumping the liquid contents to storage and depressurizing the processing units to five psig (pounds per square inch gauge) or below before venting to the atmosphere. Control of the vapors during the depressurization prior to venting to atmosphere shall be accomplished by one of the applicable methods specified in LAC 33:III.2115.A, B, and F. Compliance shall be determined and records shall be kept as specified in LAC 33:III.2115.I, J, and K.
197	[LAC 33:III.219]	Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
198	[LAC 33:III.2901.D]	Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
199	[LAC 33:III.2901.F]	If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.
200	[LAC 33:III.5105.A.]	Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III. Chapter 51. Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III. Chapter 51. Subchapter A, after the effective date of the standard.
201	[LAC 33:III.5105.A.2]	Do not cause a violation of any ambient air standard listed in LAC 33:III.1 Table 51.2, unless operating in accordance with LAC 33:III.5109.
202	[LAC 33:III.5105.A.3]	Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
203	[LAC 33:III.5105.A.4]	Do not fail to keep records, notify, report or revise reports as required under LAC 33:III. Chapter 51. Subchapter A.
204	[LAC 33:III.5107.A.2]	Submit Annual Emissions Report (TED): Due annually, by the 1st of July, to the Office of Environmental Assessment, Environmental Evaluation Division in a form specified by the department. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.

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- 205 [LAC 33:III.5107.A.3] Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502.
- Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations"
- Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- Submit notification: Due to the Office of Environmental Compliance, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.Chapter 51.Table 51.1 or a reportable quantity (RQ) in LAC 33:1.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:1.3923.
- Submit notification: Due to the Office of Environmental Compliance immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:1.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:1.3923.
- Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii.
- Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology.
- Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2.
- Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department.
- Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:I.1701, before commencement of the construction of any new source.

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- 215 [LAC 33:III.5111.A.2.a]
- 216 [LAC 33:III.5111.A]
- 217 [LAC 33:III.5113.B.1]
- 218 [LAC 33:III.5113.B.3]
- 219 [LAC 33:III.5113.B.4]
- 220 [LAC 33:III.5113.B.5]
- 221 [LAC 33:III.5113.B.5]
- 222 [LAC 33:III.5113.B.6]
- 223 [LAC 33:III.5113.B.7]
- 224 [LAC 33:III.5113.C.1]
- 225 [LAC 33:III.5113.C.2]
- 226 [LAC 33:III.5113.C.2]
- 227 [LAC 33:III.5113.C.2]
- 228 [LAC 33:III.5113.C.3]
- 229 [LAC 33:III.5113.C.5.a]
- 230 [LAC 33:III.5113.C.5.a]
- 231 [LAC 33:III.5113.C.5.d]

Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source.

Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel.

Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department.

Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e.

Analyze samples and determine emissions within 30 days after each emission test has been completed.

Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test.

Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ.

Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test.

Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence.

Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ.

Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin.

Submit performance evaluation report: Due to the Office of Environmental Assessment, Environmental Technology Division within 60 days of the monitoring system performance evaluation.

Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems.

Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B.

Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days.

Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS.

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- 232 [LAC 33:III.5113.C.5.e]
 - 233 [LAC 33:III.5113.C.5]
 - 234 [LAC 33:III.5113.C.7]
 - 235 [LAC 33:III.5151.F.1.]
 - 236 [LAC 33:III.5609.A.1.b]
 - 237 [LAC 33:III.5609.A.2.b]
 - 238 [LAC 33:III.5609.A.3.b]
 - 239 [LAC 33:III.5609.A]
 - 240 [LAC 33:III.5611.A]
 - 241 [LAC 33:III.5611.B]
 - 242 [LAC 33:III.5901.A]
 - 243 [LAC 33:III.5907]
 - 244 [LAC 33:III.5911.A]
 - 245 [LAC 33:III.5911.C]
 - 246 [LAC 33:III.905]
 - 247 [LAC 33:III.913]
- Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS.
- Submit plan: Due to the Office of Environmental Assessment, Environmental Technology Division within 90 days after DEQ requests either an initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system.
- Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ.
- An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
- Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
- Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
- Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
- Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
- Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7.
- Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
- During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
- Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division.
- Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division within 60 days after the information in the submitted registration is no longer accurate.
- Install air pollution control facilities whenever practically, economically, and technologically feasible. When facilities have been installed on a property, use them and diligently maintain them in proper working order whenever any emissions are being made which can be controlled by the facilities, even though the ambient air quality standards in affected areas are not exceeded.
- Provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of emission limits.

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- 248 [LAC 33:III.917.A]
- 249 [LAC 33:III.917.B]
- 250 [LAC 33:III.919.D]
- 251 [LAC 33:III.927]
- 252 [LAC 33:III.929.A]
- Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations. No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety.
- Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. Report the unauthorized discharge of any air pollutant into the atmosphere in accordance with LAC 33:1 Chapter 39, Notification Regulations and Procedures for Unauthorized Discharges. Submit written reports to the department pursuant to LAC 33:1.3925. Submit timely and appropriate follow-up reports detailing methods and procedures to be used to prevent similar atmospheric releases.
- No person or group of persons shall allow particulate matter or gases to become airborne in amounts which cause the ambient air quality standards to be exceeded.